Two Step Metric Conversion(“Two prefixes”)

Do the following metric conversions:

1. 66 Mm=\_\_\_\_\_\_\_\_\_\_\_cm
2. 3.4 x 108 hm=\_\_\_\_\_\_\_\_\_\_\_\_mm
3. 2.2 x 109 kg=\_\_\_\_\_\_\_\_\_\_μg
4. 37 kmol=\_\_\_\_\_\_\_\_\_\_nmol
5. 1.6 x 1015 μmol=\_\_\_\_\_\_\_\_\_\_\_Mmol
6. 894 mm=\_\_\_\_\_\_\_\_\_\_\_\_\_cm
7. 8.125 x 10-29 nL =\_\_\_\_\_\_\_\_\_\_\_kL
8. 16.1 cg=\_\_\_\_\_\_\_\_\_\_\_hg
9. 22 cm = \_\_\_\_\_\_\_\_\_\_\_dm
10. 88 cm=\_\_\_\_\_\_\_\_\_\_\_\_dm

For those who enjoy a challenge ☺…try these….

\*\*\*11) 16.2 mL=\_\_\_\_\_\_\_\_\_\_\_\_cm3

\*\*\*12) 8.6x107L=\_\_\_\_\_\_\_\_\_\_mL=\_\_\_\_\_\_\_\_\_\_\_cm3

\*\*\*13)12cm3=\_\_\_\_\_\_\_\_dm3

\*\*\*14)227cm3=\_\_\_\_\_\_\_\_\_mm3 Good review for metric

<http://www.fordhamprep.com/gcurran/sho/sho/review/revindex2.htm>

This site shows where the approach we are using can be used and has practice problems.

<http://www2.franciscan.edu/academic/MathSci/MathScienceIntegation/MathScienceIntegation-620.htm>

Answers

1. 6.6 x 10 8 cm
2. 3.4 x 10 13 mm
3. 2.2 x 10 18 μg
4. 3.7 x 10 13 nmol
5. 1.6 x 10 13 Mmol
6. 8.94 x 10 1 cm
7. 8.125 x 10 -41 kL
8. 1.61 x 10 -3 hg
9. 2.2 dm
10. 8.8 dm
11. 16.2 cm3
12. 8.6x1010 mL =8.6x1010 cm3